

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)
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Kurozumi, et al.) Group Art Unit: Unassigned
)
Application No.: Unassigned) Examiner: Unassigned
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Filed: Herewith)
)
For: SIGNAL DETECTION METHOD AND)
APPARATUS, RELEVANT)
PROGRAM, AND STORAGE)
MEDIUM STORING THE PROGRAM)

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examination, please amend the subject application as follows:

IN THE CLAIMS:

Please amend claim 8 as follows:

8. (Amended) A signal detection method as claimed in claim 5, wherein in the distortion adding step:

an amount of distortion used for distorting features is modeled using a normal distribution, wherein parameters in the modeling are the amount of parallel translation and the variance; and

the distortion is added using at least one of the amount of parallel translation and the variance.

Please amend claim 18 as follows:

18. (Amended) A signal detection apparatus as claimed in claim 15, wherein:

the distortion adding section models an amount of distortion by using a normal distribution, wherein the amount of distortion is used for distorting features, and parameters in the modeling are the amount of parallel translation and the variance; and

the distortion adding section adds the distortion using at least one of the amount of parallel translation and the variance.

PLEASE ADD THE FOLLOWING CLAIMS:

23. A signal detection method as claimed in claim 7, wherein in the distortion adding step:

an amount of distortion used for distorting features is modeled using a normal distribution, wherein parameters in the modeling are the amount of parallel translation and the variance; and

the distortion is added using at least one of the amount of parallel translation and the variance.

24. A signal detection apparatus as claimed in claim 17, wherein:

the distortion adding section models an amount of distortion by using a normal distribution, wherein the amount of distortion is used for distorting features, and parameters in the modeling are the amount of parallel translation and the variance; and

the distortion adding section adds the distortion using at least one of the amount of parallel translation and the variance.

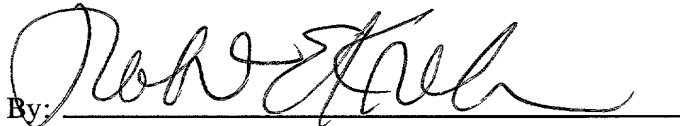
REMARKS

The claims of the subject application have been amended to avoid multiple dependency. Favorable consideration of the subject application is respectfully requested.

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "Version with markings to show changes made."

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

By: 

Robert E. Krebs
Registration No. 25,885

Post Office Box 1404
Alexandria, Virginia 22313-1404
(650) 622-2300

Date: April 24, 2001

VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the claims:

Claims 8 and 18 have been amended as follows:

8. (Amended) A signal detection method as claimed in ~~any one of~~ claims 5 ~~and 7~~, wherein in the distortion adding step:

an amount of distortion used for distorting features is modeled using a normal distribution, wherein parameters in the modeling are the amount of parallel translation and the variance; and

the distortion is added using at least one of the amount of parallel translation and the variance.

18. (Amended) A signal detection apparatus as claimed in ~~any one of~~ claims 15 ~~and 17~~, wherein:

the distortion adding section models an amount of distortion by using a normal distribution, wherein the amount of distortion is used for distorting features, and parameters in the modeling are the amount of parallel translation and the variance; and

the distortion adding section adds the distortion using at least one of the amount of parallel translation and the variance.

Claims 23-24 have been added.